

**AMENDMENTS TO THE SPECIFICATION:**

Please amend the specification as follows:

Page 1, after the title, please insert the following new paragraph:

The present application is a 371 U.S. National Phase of PCT/GB98/03034 filed October 9, 1998, which claims benefit of United Kingdom 9722481.0 filed October 25, 1997.

Please delete the paragraph spanning lines 1-3 of page 5 and insert the following therefor:

For example, the gene which encodes adenylate kinase of *E. coli* is known (Brune, Schumann and Witinghofer, Nucleic Acids Research, (1985) 13, No. 19, 7139-7150 (SEQ ID NO:5); P. Liang et al., Gene (1989) 80, 21-28).

Please delete the paragraph spanning lines 18-24 of page 8 and insert the following therefor:

The *E. coli* host produced in this way has a chromosomal mutation in its adenylate kinase gene that causes the adenylate kinase produced to be temperature sensitive. A luciferase plasmid, preferably a thermostable luciferase plasmid, for example as described in European Patent Application No. 92110808.0 (*Luciola cruciata* SEQ ID NO: 2 and *L. lateralis* SEQ ID NO:3) or WO95/25798 (*P. pyralis* SEQ ID NO: 1 and *L. mingrellica* SEQ ID NO:4), can then be introduced to the host such that the luciferase can be produced at a temperature that is permissive to the adenylate kinase. The culture can be raised to a higher temperature to denature the adenylate kinase which is present.

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Insert the attached Sequence Listing after the Figures.